

Mynx 9500



**Vertical Machining
Center for Large
Works**

Mynx 9500

ver. EN 150728 SU

Spindle

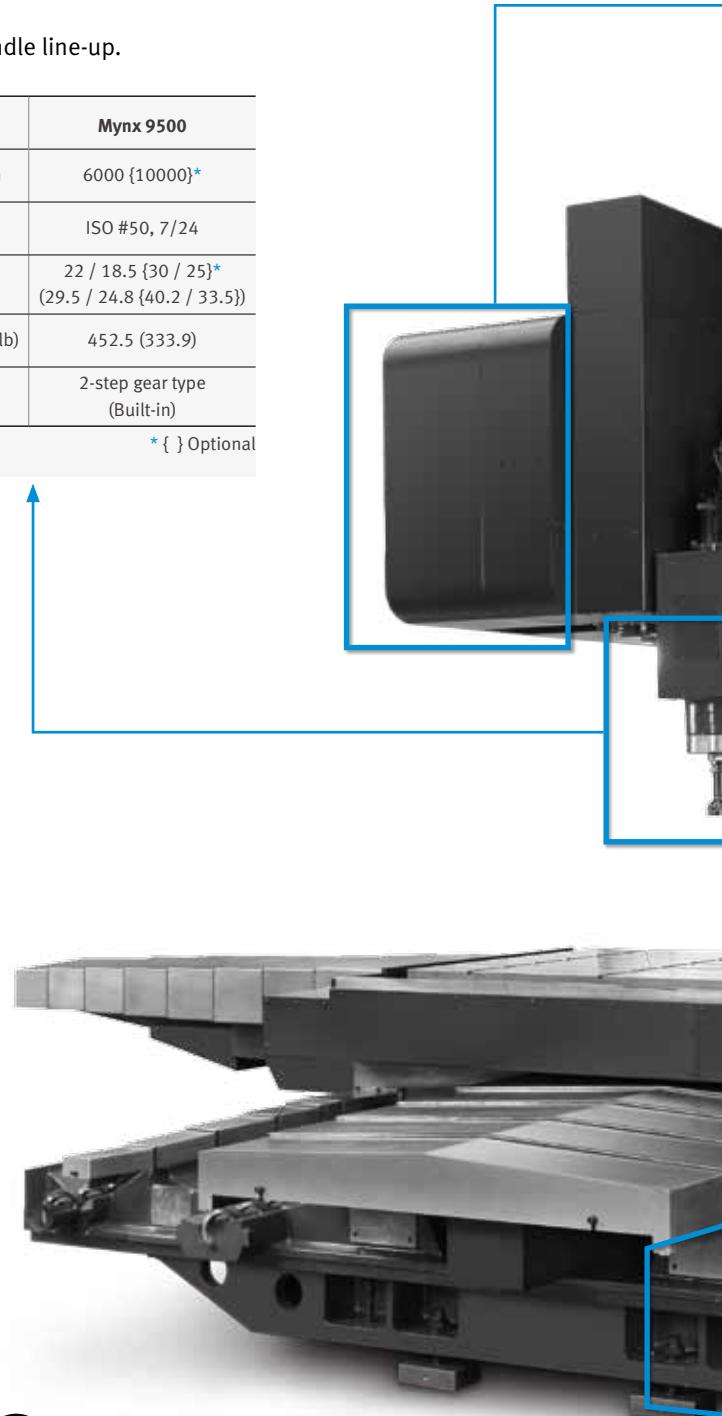
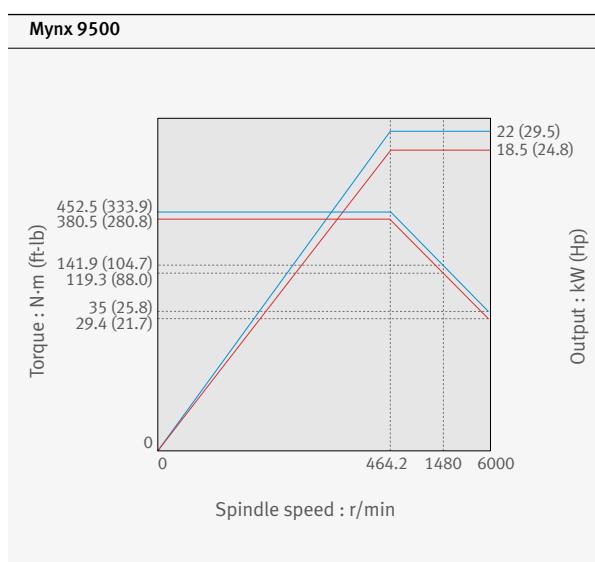
The Mynx 9500 is equipped with a high-torque, high-speed spindle line-up.



| Description | Unit | Mynx 9500 |
|----------------------------|-------------|--|
| Max. Speed | r/min | 6000 {10000}* [*] |
| Tool Specifications | - | ISO #50, 7/24 |
| Motor Power (30 min/cont.) | kW (Hp) | 22 / 18.5 {30 / 25}* [*] (29.5 / 24.8 {40.2 / 33.5}) |
| Max. Torque | N·m (ft-lb) | 452.5 (333.9) |
| Spindle Type | - | 2-step gear type (Built-in) |

* { } Optional

Power-Torque Diagram (2-step gear type)



Mynx 9500

High Rigidity & High Productivity Vertical Machining Center for Large Works

The Mynx 9500, a vertical machining center designed for the processing of large general parts, is equipped with box guideways for all axes, a high-torque gear-type spindle for heavy duty cutting, a servo-driven magazine for reduced idling time and a 4-row screw conveyor to improved chip disposal. We will provide customers with unprecedentedly high productivity and even greater added value.

→ Magazine

The servo magazine minimized tool change time and noise.



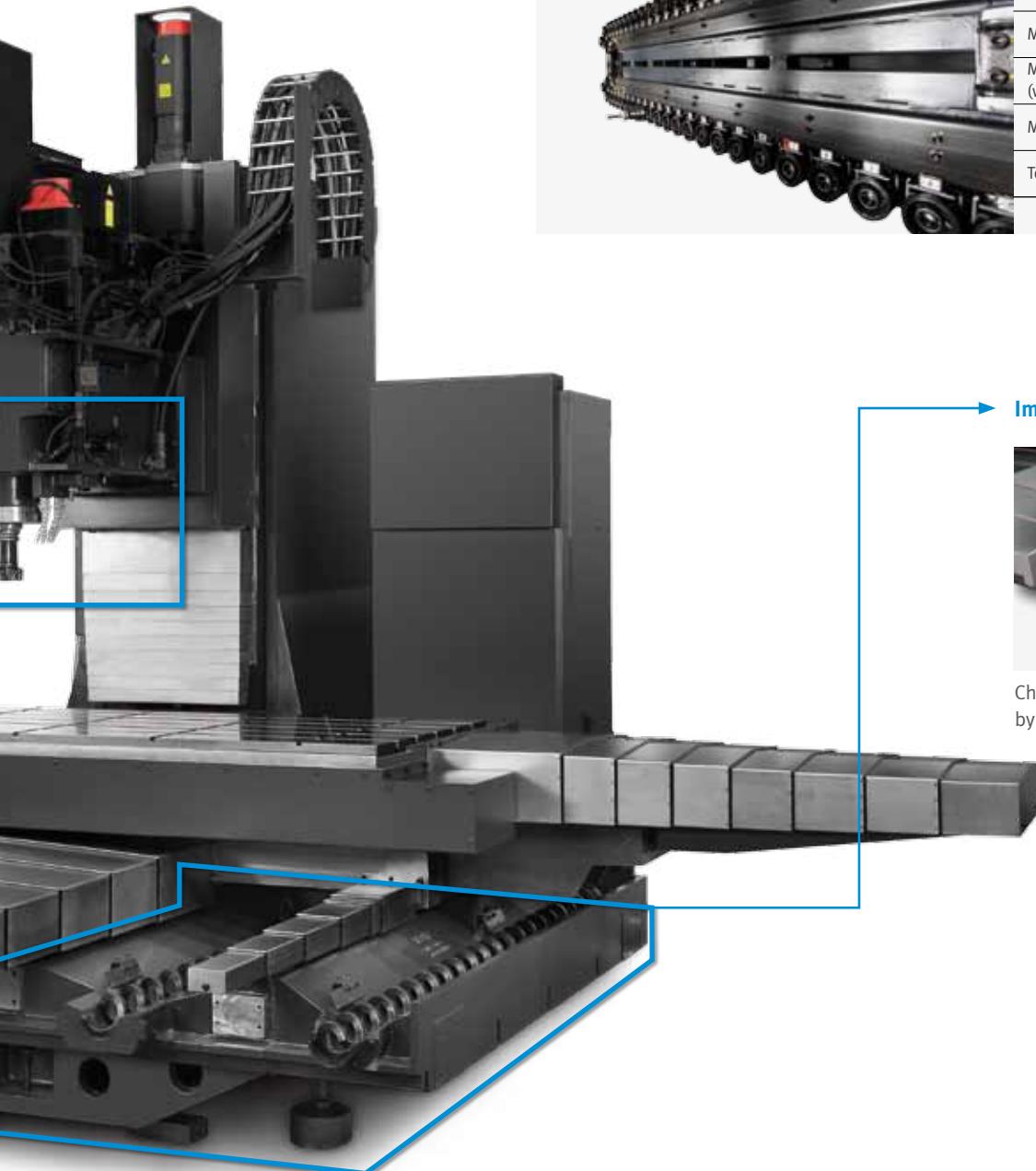
| Description | Unit | Mynx 9500 |
|---|--------------|---------------------------|
| Number of tools | ea | 30 {40}* [*] |
| Max. tool weight | kg (lb) | 15 (33.1) |
| Max. tool diameter (w/o adjacent tool) | mm (inch) | 125 {230}* (4.9 {9.1}) |
| Max. tool length | mm (inch) | 350 (13.8) |
| Tool change time | sec | 2.5 |

* { } Optional

→ Improved Chip Disposal



Chip disposal performance has been enhanced by the adoption of a 4-row screw conveyor.



Optimized Specifications for Large Works

- Longer travel distance (X / Y / Z)
 - 2500 mm / 950 mm / 850mm (98.4 inch / 37.4 inch / 33.5 inch)
- Table Loading Capacity
 - 3500 kg (7716.1 lb)

High Durability and Stable Accuracy Achieved by High-Rigidity Structure

- High-rigidity box guideways for all axes
- 4-row box guideway structure on Y-axis
- Arch-type design

High Productivity and Reliability Secured with a Wide Spindle Line-up and Improved Quality

- Dual contact tool system
- High torque, high speed spindle line-up
 - Gear type: 6000 r/min
 - Built-in type: 10000 r/min
- Servo magazine

Main Specifications

Mynx 9500



| Description | | Unit | Mynx 9500 |
|--------------|-----------------------|-----------|--|
| Table | X / Y / Z axis | mm (inch) | 2500 / 950 / 850 (98.4 / 37.4 / 33.5) |
| | Table size | mm (inch) | 2500 X 950 (98.4 X 37.4) |
| | Loading capacity | kg (lb) | 3500 (7716.1) |
| Main Spindle | Max. spindle speed | r/min | 6000 {10000}* |
| | Tool specification | - | ISO #50, 7/24 TAPER |
| Motor | Motor power | kW (Hp) | 22 / 18.5 {30 / 25}* (29.5 / 24.8 {40.2 / 33.5}) |
| ATC | Tool storage capacity | ea | 30 {40}* |
| NC system | | - | DOOSAN-FANUC i |

* { } Optional

| Standard Feature |
|---|
| Tool box |
| Coolant tank and chip pan |
| Safety door interlock |
| Flood coolant system |
| Installation parts |
| Screw conveyor |
| 3-color warning lamp (Red / Yellow / Green) |
| Portable MPG |
| Splash guard |
| Work light |
| X, Y, Z Absolute pulse coder |
| Spindle cooling system |

| Optional Feature |
|------------------------------------|
| 4-axis additional controller |
| Auto power off |
| Auto tool length measurement |
| Auto work space measurement |
| Chip conveyor & bucket |
| EZ Guide i |
| Minimum Quantity Lubrication (MQL) |
| Oil skimmer |
| Shower coolant system |
| Test bar |
| Through-spindle coolant system |



Doosan Machine Tools

<http://www.doosanmachinetools.com>

Optimal Solutions for the Future

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* For more details, please contact Doosan.

* The specifications and information above-mentioned may be changed without prior notice.